

L 2078-66

ACCESSION NR: AP5027213

BU/0016/65/000/001/0013/0023

168

AUTHOR: Stoyanova-Antova, Z.; Tonchev, I.; Rameva, N.

TITLE: Sequelae of hepatitis--Incidence and clinical forms followed-up from 2 to 6 years

SOURCE: Suvremenna meditsina, no. 1, 1965, 13-23

TOPIC TAGS: hepatitis, disease incidence, internal medicine, clinical medicine

ABSTRACT: Report of clinical and laboratory data about the persistence of symptoms in 15.04% out of 984 patients who recovered from viral hepatitis between 2 and 6 years earlier. Various symptoms are tabulated and discussed in detail, with case reports. Orig. art. has 9 tables and 2 graphs.

ASSOCIATION: Okruzhna bolnitsa, Plovdiv (District Hospital)

SUBMITTED: Jun63

ENCL: 00

SUB CODE: 18

NO REF SOV: 003

OTHER: 025

JPRS

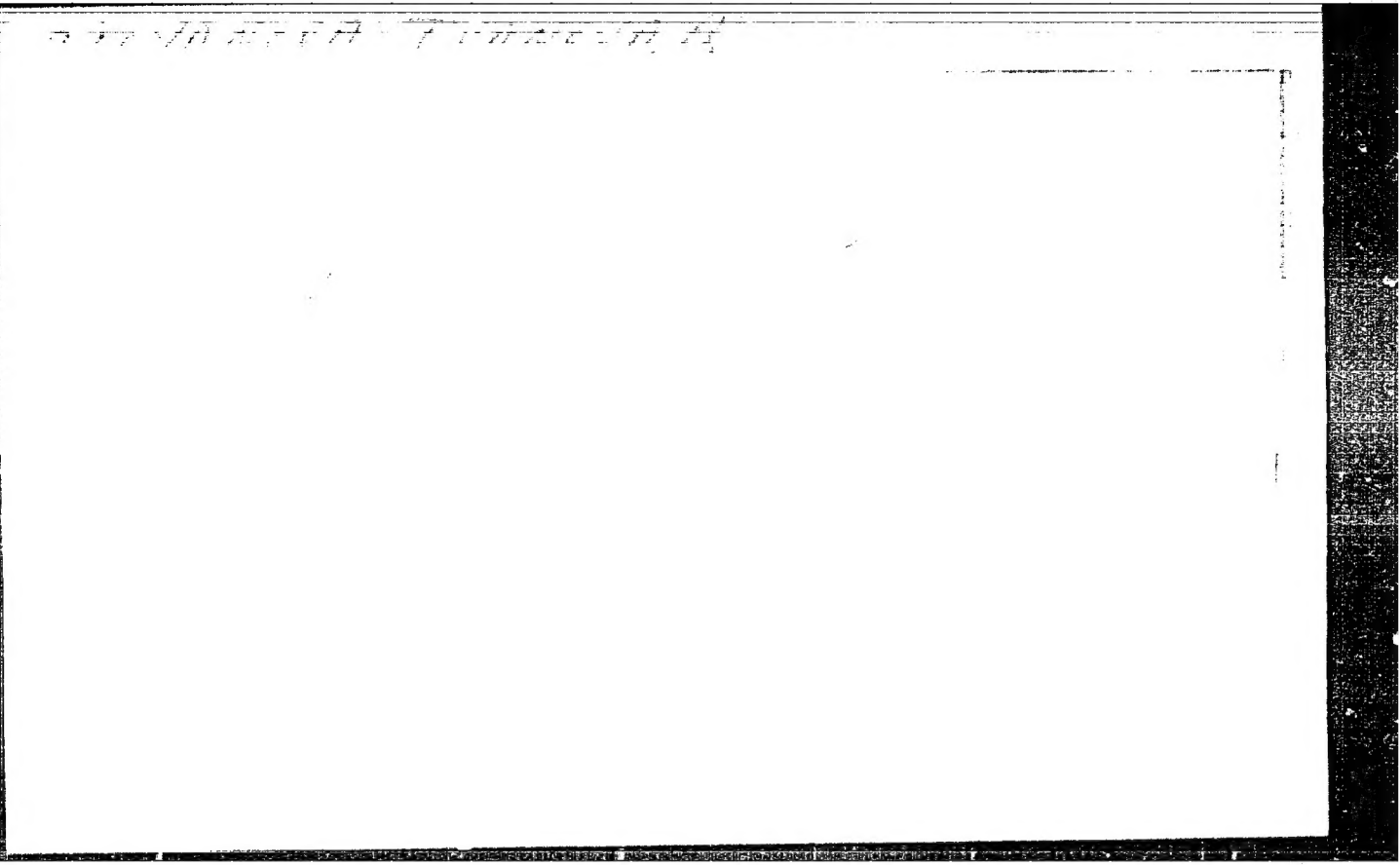
Card 1/1

STOLANOVA-IVANOVA, B.

3
/ Composition of saturated hydrocarbons of the wax from Bulgarian roses. D. Ivanov, B. Stolanova-Ivanova, and Ch. Ivanov (Univ. Sofia, Bulgaria). *Compt. rend. acad. bulgare sci.* 8, No. 2, 33-6 (1956) (in French); cf. C.A. 49, 16720h. — The wax was dissolved in hot alc. and the alc. soln. cooled to 0° to yield a solid, olive-green wax consisting of 39% saponifiable, 61% unsaponifiable matter (the unsaponifiable contained 86% hydrocarbons), and 12.6% free acids. The wax had acid no. 11, sapon. no. 49.5, ester no. 37.5, I no. (Höbl) 24. The satd. hydrocarbons were sep'd, fractionated, and refractionated, the product resulting from each fraction was crystd. several times from abs. alc. and a mixt. of alc.-C₁₂H₂₆, subjected to chromatography and again crystd. until the m.p. was constant. The following hydrocarbons were isolated: hentriacontane C₃₁H₆₄, m. 67.6-7.8°; triacontane C₃₀H₆₂, m. 65.6-5.8°; nonacosane C₂₉H₆₀, m. 63.4-3.6°; octacosane C₂₈H₅₈, m. 61.4-1.5°; heptacosane C₂₇H₅₆, m. 59.0-9.1°; pentacosane C₂₅H₅₂, m. 63.3-4.0°; tricosane C₂₃H₄₆, m. 47.5 (47.7°); docosane C₂₂H₄₄, m. 44 (44.4°); eicosane C₂₀H₄₂, m. 37-8°; nonadecane C₁₉H₄₀, m. 32.0°. The mol. wts. of some of the compds. were detd. also.
L. Lange

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653420005-5



APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653420005-5"

STANAN-IVANOV, E.

STOYANOV - IVANOVA, B.

STOYANOV - IVANOVA, B.

L 40797-65 EWP(m)/EWP(w)/EWA(d)/EPR/I/EWP(t)/EWP(z)/EWP(b) Ps-4 IJP(c)
 MJW/JD
 ACCESSION NR: AP4048659 S/0133/64/000/011/1033/1037

AUTHOR: Col'dshteyn, Ya. Ye. (Candidate of technical sciences); Vesely, A.
 (Engineer); Lukash, V. (Engineer); Koshan, I. (Engineer); Stoyanova-Taseva, S. V.
 (Engineer)

TITLE: Effect of metallurgical factors on the mechanical properties and fatigue
 strength of 18KhNVA steel

SOURCE: Stal', no. 11, 1964, 1033-1037

TOPIC TAGS: fatigue strength, deoxidation, microalloying, electroslag melting,
 ductility/ 18KhNVA steel

ABSTRACT: Deoxidizing conditions and microalloying significantly affected the
 fatigue strength of 18KhNVA steel. Maximum fatigue strength was attained when
 an increased amount of aluminum (0.8-1 kg/T) was used in the final deoxidation,
 without addition of calcium-silicon to the ladle; the final Al content should be
 0.02 - 0.05%. Such deoxidation pulverized the nonmetallic inclusions and the se-
 condary grain and reduced its growth on heating. The plastic limit $\sigma_{0.005}$ and

Card 1/2

L 40799-55

ACCESSION NR: AP4048659

3
the fatigue limit σ_{-1} of the 18KhNVA steel also depended on the low temperature tempering conditions after hardening. Increasing the temper temperature from 180 to 250C increased the value of $\sigma_{0.005}$ by 5-20 kg/mm², and of σ_{-1} by 3-8 kg/mm², depending on the aging and purity of the steel. Homogenization at 1120-1200C had no effect on these properties. Electroslag remelting increased the plastic and ductile properties of the steel and lowered the threshold of cold brittleness by 20-40C and the coefficient of anisotropy. Due to the higher chemical and structural homogeneity and the low contamination with nonmetallic inclusions in the electroslag melted steel, fatigue strengths of the order of 60-74 kg/mm² can be attained by hardening in oil and tempering at 225-250C. "D. G. Zhukov participated in conducting. . . . the melting tests." Orig. art. has: 4 figures and 7 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NR REF SOV: 002

OTHER: 006

Card ²/₂

1. The first of the two main
2. parts of the document is a
3. report on the activities of the
4. group, which is a sub-
5. group of the main group.

6. The second part of the document
7. is a report on the activities of
8. the group, which is a sub-
9. group of the main group.

STOYANOVICH, D.V., prof.

Experience in clinical aspects and treatment of acute intestinal obstruction. Khirurgia 33 no.12:81-84 D '57. (MIRA 11:2)

1. Iz 2-y khirurgicheskoy kliniki (zav. - prof. D.V.Stalynovich)
meditsinskogo fakul'teta v Belgrade
(INTESTINAL OBSTRUCTION, ther. surg.
diag. & surg.)

5/3/83/6/00/010/011/011/MT
702/777

Authors: Elterov, B. P. and Stepanovich, F. M.

A New Reaction of Mercaptans With N-Substituted Formamides
and Phosphoryl Chloride

Published: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,
1980, No. 12, pp. 1830-1833

Summary: A novel compound, N,N-dimethyl amino-1-(isobutyl mercapto)-methane
was obtained in 80% yield on reaction of dimethyl formamide with isobutyl mercap-
tan in the presence of phosphoryl chloride at low temperature. A synthe-
sized compound: N,N-dimethyl amino-1-(n-butyl mercapto)-methane from n-butyl
mercaptan in 41% yield, and N,N-dimethyl amino-1-(tert-butyl mercapto)-
methane from tert-butyl mercaptan in 11% yield. The reaction occurs almost only
in the presence of hydrogen chloride or zinc chloride. If N-methyl
formamide is used instead of dimethyl formamide, n-butyl ester of ortho-
phosphoric acid is obtained (41% yield), as well as n-butyl ester of
ortho-phosphoric acid (43% yield). Moreover, N-methyl amine is formed.

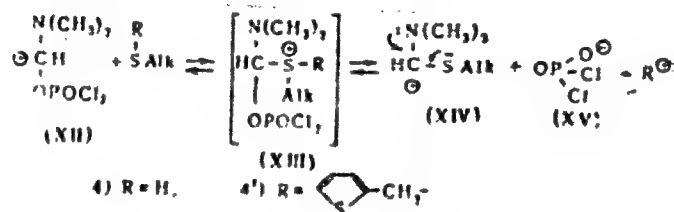
1/1/83

A New Reaction of Mercaptans With N-Substituted
 Carbamides and Phosphoryl Chloride

The following mechanism is assumed for the formation: the reaction with
 phosphoryl chloride leads to the formation of the strongly electrophilic
 cation (XII), the latter reacts with the electron pair of sulfur to give
 the sulfonium complex (XIII); cation R⁺ is then split off, and orthophospho-
 ric acid dichloride (XV) is formed. There are 12 references: 2 Soviet, 9 US,
 2 British, 7 German, 1 Italian, 3 French, and 1 Swedish.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii
 Nauk SSSR (Institute of Organic Chemistry imeni N. D.
 Zelinskiy of the Academy of Sciences USSR)

SUBMITTED: May 4, 1959



Card 2/2

S/O 2/60/000/010/024/031/XX
R002/0060

3: Fedorov, B. P. and Stoyanovich, E. M.

Syntheses of Some Aldehydes From Sulfides of the Thiophene Series

1: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1960, No. 10, pp. 1854-1857

The following 5-(alkyl mercapto methyl)-2-thiophenylaldehydes were synthesized by reaction of dimethyl formamide with alkyl-(5-lithium-2-thenyl)-sulfides: 5-ethyl mercapto methyl-2-thiophenylaldehyde, 5-isobutyl mercapto methyl-2-thiophenylaldehyde, and 5-tert-butyl mercapto methyl-2-thiophenylaldehyde. These reactions were to a considerable extent accompanied by oxidation due to the unstable character of aldehydes with the methylene group $-CH_2S-$. The aldehydes obtained were identified by semicarbazide and dinitrophenyl hydrazones. Moreover, the following azomethines were synthesized with p-aminophenol: 5-ethyl mercapto methyl-2-thienylidene-p-phenol, 5-isobutyl mercapto methyl-2-thienylidene-p-aminophenol, and 5-tert-butyl mercapto methyl-2-thienylidene-p-aminophenol, and

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... ..

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0000/0000

2-phenyl-2-thienyl-2-phenyl-phenol. Ya. Gol'tsark and G. Gorushkina
mentioned. There are 3 references: 3 Soviet, 4 US, and 2 German.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii
Nauk SSSR
(Institute of Organic Chemistry imeni N. D. Zelinskii of the
Academy of Sciences USSR)

RECEIVED: MAY 4, 1959

1992

FEDOROV, B.P.; STOYANOVICH, F.M.

Syntheses of aldehydes from 2-thienyl-(*p*-hydroxyphenyl) and 2-thienyl-(*p*-methoxyphenyl) sulfides. Part 3. Zhur. ob. khim. 31 no.1:238-244 Ja '61. (MIRA 14:1)

1. Institut organicheskoy khimii Akademii nauk SSSR.
(Sulfide) (Aldehydes)

F.DONOV, R.P.; STOYANOVICH, F.M.

Synthesis of arylamines of the thiophene series containing a
thioether group. Zhur.ob.khim. 32 no.5:1518-1525 My '62.
(Thiophene) (Amines) (MIRA 15:5)

1. KADY... P.; KADY... P.

... of ... with compounds containing the
primary ... group. 1961. AN SSSR: 145 no. 3: 52-53/ J1 ...

(HEA 1917)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.
Prof. Stepanovskiy A.A. Kasunskiy.

(Mar 1961) (Amino group)

FEDOROV, B.P.; STOYANOVICH, F.M.

Synthesis and reactions of 2,2'-dithienyl sulfide. Part 5.
Zhur.ob.khim. 33 no.7:2251-2261 J1 '63. (MIRA 1618)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR.
(Sulfides) (Bithiophene)

POPOV, Ye.M.; STOYANOVICH, F.M.; FEDOROV, B.P.; ANDRIANOVA, G.M.

Ultraviolet and infrared spectra of 2-thienyl sulfides. Part 6.
Zhur.ob.khim. 33 no.7:2261-2266 J1 '63. (MIRA 16:8)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR.
(Bithiophene--Spectra) (Sulfides)

REF ID: A6017640

S/0190/64/006/002/0201/0205

AUTHORS: Lukovnikov, A. F.; Fedorov, B. P.; Stoyanovich, P. M.; Bulgakova, T. A.; Levin, P. I.

TITLE: Arylamines of the thiophene series with a thioether group as antioxidants

SOURCE: Vysshemolekulyarnyye soyedineniya, v. 6, no. 2, 1964, 201-205

TOPIC TAGS: antioxidant, polypropylene, polypropylene antioxidant, thiophene, thenyl compound, thioether group, arylamine, stabilization, functional stabilizing group, phenyl compound, Neozone, sulfide, oxidation, p phenolamine, induction period

ABSTRACT: The performance of sulfides of the thiophene series containing an arylamine group as inhibitors of polypropylene oxidation was studied at 200C in an atmosphere of oxygen. It was found that the arylamines of the thiophene series are generally equal (in some instances even superior) as antioxidants to the commercial Neozones. It was also observed that the presence of a thenyl or a benzyl radical in the arylamine molecule had a favorable effect on the effectiveness of the compound. The sulfides of the thiophene series as such do not possess any antioxidative properties in respect to polypropylene. It was also shown that the

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(MCA 2.5)

1. Further organizational chart must be developed. All 3572.

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3. The information is being provided for the use of the following:

1 16573-66 ENI(m)/ENP(j) JXT(RP)/RM

ACC NR: AP6003132

SOURCE CODE: UR/0115/ 1/00/01/ 0021/0022

AUTHOR: Shevyakova, L. A.; Stoyanovich, F. M.

ORG: none

TITLE: Information search system for organosulfur compounds

SOURCE: Nauchno-tehnicheskaya informatsiya, no. 12, 1965, 21-22

TOPIC TAGS: organic sulfur compound, information storage and retrieval, binary code, punched card

ABSTRACT: A new literature-search system has been developed which makes it possible to conduct a search on the structure, reactions, properties, and applications of organosulfur compounds by coordination of structural and subject concepts. The element of information is the individual chemical reaction whose starting materials and products are characterized by a certain set of binary criteria. The system can be used to carry out searches which would be either very difficult or impossible to conduct using conventional indexes. The system is based on punch cards and is in operation at the Laboratory of Heterocyclic Compounds of the Institute of Organic Chemistry, Academy of Sciences USSR. Search systems of this type can also be developed for other areas of organic chemistry.

[ATD PRESS: 4192-F]

SUB CODE: 05, 07 / SUBM DATE: 12Jul65

Cord 1/1mc

UDC: 002.513.5:64

IVANOVA, I.A.; FEDOROV, B.P.; STOYANOVICH, F.M.

Synthesis and transformations of amidomercaptals. Izv. AN SSSR.
Ser.khim. no.12:2179-2187 '65.

(MIRA 18:12)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
Submitted July 16, 1965.

- : YEKASHEVICH
- : Cultivated Plants, General Problems. M
- : Vol. 11, No. 12, 1953, No. 00275
- : Milic, M., Stoyanovich, M., Milevich, P.
- : Belgrade University
- : The Influence of Crop Rotations on the Yield of Some of
the Most Important Cereals.
- : Zh. radova Pol'privednog fak. Jan-t Beogradu, 1956, 4,
No. 1, 204-226
- : Results of the trials at the agricultural experiment
stations in Zemun and Krvenik during the period 1948-1955.
Productivity depended on the type of soils, meteorological
conditions and the crops used in the rotation. The yields
of winter wheat and corn were higher in the seven-field
crop rotation in comparison with the two-field rotation.
The yields of vetch, red clover and alfalfa in mixture
with other grasses were also higher in multi-field crop
rotation. — O. A. Gorbunova

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STOYANOVICH, O.; VLASOV, B.; STAL'NICHENKO, V. (Ukraine); DVORNICHENKO, O.
(Ukraine); HARAYEV, I. (Leningrad); ISAYEV, N. (Moskva); TARASHEO, V.
(Ukraine); A'TOMOV, O. (Moskva)

Champions are talking. Posh. delo 5 no.10:14-15 O '59.
(MIRA 13:2)

1. L'vovskoye posharno-tekhnicheskoye uchilishche (for Stoyanovich).
2. Khar'kovskoye posharno-tekhnicheskoye uchilishche (for Vlasov).
(Physical education and training)

YEREMENKAYA, Ye.V.; KUTKOVA, V.I.; STOYANOVICH, R.K.; SHAHSUVAROVA,
G.V.

Use of the Aurfural refining process for the production of trans-
former oil from eastern sulfur-bearing crudes. Trudy VNII MP
no. 7: 78-86. 198. (MIRA 12:10)
(Petroleum--Refining) (Auraldehyde) (Insulating oils)

KUTUKOVA, V.I.; VOZNESENSKAYA, Ye.V.; STOYANOVICH, R.K.

Extractor equipped with rotating discs for the refining of
oil fractions with furfural. Khim.i tekhn. topl. i masel
5 no.5:16-21 My '60. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po
pererabotke nefti i gazov i polucheniya iskusstvennogo zhidkogo
topliva.

(Petroleum-Refining) (Extraction apparatus)

KUTUKOVA, V.I.; VOZNESENSKAYA, Ye.V.; STOYANOVICH, R.K.

Use of an extractor with rotating discs for the purification of
transformer oil. Khim.i tekhn.topl.i masel 5 no.7:30-33 J1
'60. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut p'yezopticheskogo
mineral'nogo syr'ya.
(Insulating oils)

1. I. I. YAKOVLEV, L.I.

Characteristics of condensates of Central Asia. (Miro. 1965.)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta prirodnogo gaza. Submitted January 20, 1965.

STOYANOVSKAYA, T.A., KROMDENNA, G.P., VOYDENKO, G.D.

Catalytic reduction in an adsorption hydrogen layer of some organic compounds on a ruthenium electrode-catalyst. Vest. Mosk. un. Ser. 2:46-50. Mar-Apr '65. (MIRA 18:7)

1. Kafedra obshchey khimii Moskovskogo universiteta.

2000 (2000)

STOYANOVICH, V., prof.; VASIL'YEVICH, D., assistant

Apoplexia visceralis as a peculiar form of acute intestinal obstruction
[with summary in English]. Khirurgiya 33 no.6:72-75 Je '57.
(MIRA 10:12)

1. Iz vtoroy khirurgicheskoy kliniki meditsinskogo fakul'teta v
Belgrade (zav. - prof. V.Stoyanovich)

(INTESTINAL OBSTRUCTION, etiol. and pathogen.
visceral apoplexy, clin. aspects & surgery)

0046

ACC NR: AR6022897

SOURCE CODE: UR/0081/66/000/005/103 1039

AUTHOR: Ivanov, B. G.; Stoyanovskaya, B. A.; Pivkina, M. P.

TITLE: Increasing the surface hardness of parts made of aluminum alloys

SOURCE: Ref. zh. Khimiya, Part II, Abs. 51257

REF SOURCE: Sb. Zashchita met. ot korrozii. Kuybyshev, 1965, 40-42

TOPIC TAGS: aluminum, aluminum alloy, anodization, chromium plating

ABSTRACT: In order to increase their surface hardness and wear resistance, parts made of Al and its alloys are subjected to anodization or chromium plating, depending upon the conditions of their operation and the requirements placed on them. For parts made of AL4 alloy, the following procedure preceding chromium plating is recommended: (1) degreasing with organic solvents; (2) chemical cleaning followed by rinsing in hot and cold water; (3) etching in an $\text{HNO}_3 + \text{HF}$ mixture and washing in cold water, with an etching time of 1 min at a solution temperature of 18-25°; (4) treatment in a zincate solution (Zn 20-30 g/l, NaOH 120-130 g/l) at 18-25° for 1 min. To achieve a higher-quality bonding of the Cr-coating to the base, it is necessary to repeat the zincate treatment, first removing the film in 50% HNO_3 for 15-30 sec. The chromium plating is carried out in a standard electrolyte. A brief current pulse is first delivered for 1-2 min. D_c , 120 A/dm², is decreased to 60 A/dm². The parts are screened while the current is passing through. The procedure for preparing the surface of AK6 and AK8 alloys, which con-

Card 1/2

ACC NR: AR6022897

tain appreciable amounts of alloying admixtures, particularly Cu, is described. Zincate treatment is insufficient for them, since the contact-deposited Zn deposits unevenly on the surface. In this case, the deposition of a Zn coating of small thickness is necessary. For deep anodizing of Al alloys containing Cu, the use of an electrolyte with a high H_2SO_4 concentration is recommended; this makes it possible to lower the temperature of the electrolyte and to obtain anodic films of sufficiently high quality and uniform thickness. I. Potapov. [Translation of abstract].

SUB CODE: 13/
11'

Card 2/2

1. The first part of the work is devoted to the study of the

properties of the transition of a ruthenium electrocatalytic in
the reaction of the oxidation of 1,2-dichloroethane. It is shown that the

reaction is catalyzed by the ruthenium complex of the ligand.

ABRAMSON, G. I., LITVIN, A. A., and BERA, G. I.

Reactions of hydrogenation and electrohydrogenation of some
organic substrates on a ruthenium electrode-catalyst. Zhur.
Rus. Khim. 38 no. 10:1503-1508, 1962. (NIRA 17:8)

I. M. Zhuravskiy, Leningradskiy universitet, Leningrad, USSR.

"APPROVED FOR RELEASE: 08/26/2000

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Коракул Шерп

Using sperm mixture for insemination of korakul sheep. *Ar. i zver.*, 5, No. 1, 1952.

9. Monthly List of Russian Accessions. Library of Congress, June 195¹/₂, Uncl.

USSR/Foreign Affairs - World Herd Stock

Q-3

Abn Jour : Ref Zhur - Biol., No 6, 1957, No 26165

Author : Stoyanovskaya V.I., Mosytsay L.S.

Inst : Not Given

Title : Ways for Increasing Productivity of the Karakul Sheep of
Delicate Constitution (Puti povysheniya produktivnosti
karakul'skikh ovts nozhmoy konstitutsii)

Orig Pub : Karakulovodstvo i zverovodstvo, 1957, No 4, 10-14

Abstract : The Karakul sheep of the Kryk type are little productive, not
hardy enough, and produce poor lambs. In order to increase
their productivity, it is necessary to segregate the mother
ewes into separate flocks and to provide them with a higher
level of feeding. For their insemination, rams of a strong
constitution with a certain amount of roughness should be
used. The authors recommend the insemination of ewes with a
mixture of the semen of rams. It would be expedient to post-
pone lambing by 5-10 days as compared with normal timing.

Card : 1/1

STOYANOVSKAYA, Ya. I.

3

Thermal decomposition of aromatic hydrocarbons in the presence of ethylene oxide. II. Cracking of isopropyl-, n-butyl-, and isamylbenzenes. ~~Y. I. Stoyanovskaya and M. S. Malinovsky~~
Ya. I. Stoyanovskaya, J. Appl. Chem. U.S.S.R. 18, 881-7 (1965) (Engl. transl.). See C.A. 48, 5818g.
H. L. H.

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653420005-5

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653420005-5"

CA - TO/ANOVUKI, H-F.

1. Apparatus for counting the number of dust particles in the air. A. P. Shapovalov (Dnepropetrovsk Med. Inst. - *Dept. Hygiene*
Gigien i Sanit. 1961, No. 1, 16-20). - The app. is a metallic cylinder made in 2 halves which can be opened by means of a hinge. The cylinder is mounted on a shaft of a small elec.

motor. In use, the cylinder is opened to the test atm., and dust equal. is established, then it is clamped shut and the cylinder is spun by means of the motor for settling the dust on the interior walls, also 2 two of which are clamped glass slides coated with sticky material, such as castor oil. Readily taken on the basis of the dust particles settled per unit area of the glass slides (read by micrometer eyepiece) gives the dust population per given vol of air. (S. M. Kondratyev)

STOYANOVSKIY, A. F.

Practical course of hygiene in medical and pediatric facilities.
Gig. sanit., Moskva no.6:42-44 June 1951. (CPL 21:1)

1. Of the Department of General Hygiene, Dnepropetrovsk
Medical Institute.

STOYANOVSKIY, A.P.

STOYANOVSKIY, A.P.; REVA, V.V.

Simple appliance for determining bacterial pollution of air in populated areas. Zhur.mikrobiol.epid.i immun. no.3:53-56 Mr '54.
(MIRA 7:4)

1. Iz Dnepropetrovskogo instituta epidemiologii i mikrobiologii
(direktor - kandidat meditsinskikh nauk V.G.Trukhmanov).
(Air-Bacteriology)

Translation M-218, 1 Mar 55

AOLITSKIY, S.S., professor; STOYANOVSKIY, A.F., professor

Water supply of rural populated areas of Nikolayev Province through
the Upper Ingulets Canal. Gid. i san. no. 6:52-53 Ja '55. (MIRA 2:2)

1. Iz kafedry kommunal'noy i obshchey gigiyeny Odesskogo meditsin-
skogo instituta imeni N.I. Pirogova.

(WATER SUPPLY,

in rural areas in Russia)

(RURAL CONDITIONS,

in Russia, water supply)

STOYANOVSKIY A F
USSR / Microbiology. Microbes Pathogenic for Man and
Animals. General Problems.

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24043

Author : Stoyanovskiy, A. F.; Irominskaya, T. V.;
Lontovich, Ye. V.

Inst : Not given
Title : An Experiment of Practical Application of the
Method of Agglutination of Microbe Association
(Mixed Cultures) to the Solution of Various
Problems

Orig Pub : Vrachebn. delo, 1957, prilozh., 112

Abstract : The method is based on the discovery in mi-
crobe associations (rinsing of culture) of
specific antigens-causative agents of intesti-
nal infections or para-agglutinating strains
of intestinal bacteria corresponding to them.

Card 1/2 *In a of L. Kopylov*
30

USSR / Microbiology. Microbes Pathogenic for Man and
Animals. General Problems. APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653420005-5"

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24043

It gives an idea of the degree and the
freshness of epidemiologically dangerous
pollution of various objects of external
environment (beaches, well water, beverages).
The application of the method along with the
titer of coli, enables one to diagnose
relatively quickly the presence of fresh
fecal pollution. -- G. Ye. Frumkina

Card 2/2

1. Title: Microbiology. Sanitation Microbiology. Sanitation
 Microbiology of Water
 2. Author: [illegible]
 3. Date: [illegible]
 4. Subject: [illegible]
 5. Summary: [illegible]
 6. Description: [illegible]
 7. Notes: [illegible]
 8. References: [illegible]
 9. Conclusions: [illegible]
 10. Recommendations: [illegible]

STOLANOVSKIY, A.F., prof.

Training in preventive medicine for physicians majoring in
therapeutics. Gig. i san. 24 no.7:59-61 J1 '50.
(MIA 12:9)

1. Iz kafedry obshchey gigiyeny Odeskogo meditsinskogo
instituta.

(MEDICINE, PREVENTIVE, educ.
in Russia (Rus))

STOYANOVSKIY, A.F.

Some methodical questions in the practical preparation of students
of public health departments. Zhur. mikrobiol. epid. i immun. 31
no.3:123-124, Mar '60. (MIRA 14:6)

1. Iz Odeskogo gosudarstvennogo meditsinskogo instituta imeni Pirogova.
(PUBLIC HEALTH—STUDY AND TEACHING)

STOYANOVSKIY, A.F. [Stolano's'kyi, O.F.]; PROMINSKAYA, T.V. [Promins'ka, T.V.]; ZONTOVICH, Ye.V. [Zontovych, O.V.]

Method of investigating bacterial contamination of sea water.
Mikrobiol. zhur. 23 no.2:42-44, '61. (MIRA 14:7)

1. Odeskiiy meditsinskiy institut im. Pirogova.
(SEA WATER—MICROBIOLOGY)

STOYANOVSKIY, L.F., prof.; PASKAZOVA, T.V., kand.med.nauk

Phagocytic activity of the blood as a test in evaluating the influence
of industrial factors on the body. Gig. i san. 26 no.10:70-72 O '61.
(MIRA 15:5)

1. Iz kafedry obshchey gigiyeny Odesskogo meditsinskogo instituta.
(PHAGOCYTOSIS) (INDUSTRIAL TOXICOLOGY)

STOYANOVSKIY, A.F., prof. (Odessa)

Urgent problems in teaching hygiene in medical departments. Sov.
zdrav. 21 no.6:51-53 '62. (MIRA 15:5)

1. Iz kafedry obshchey gigiyeny Odesskogo meditsinskogo instituta.
(HYGIENE—STUDY AND TEACHING)

STOYANOVSKIY, A.F., prof. (Odessa)

Review of "Industrial hygiene in agriculture." Vest. mir
no.11:153-154 N°63 (MIRA 16:12)

MINERVIN, S.M.; STETANOVSKIY, A.P. [Stetinovskiy, O.P.]; JAVIN, V.P.; SOKOVA,
M.G. [Sokova, M.P.]

Possibility of detecting the botulinus toxin in water by the method
of determining the phagocytic index. Mikrobiol.zhur. 26 no.4:13-17
'64. (MIRA 18:10)

1. Odesskiy gosudarstvennyy meditsinskiy institut.

STOYANOVSKIY, D.N.

The mechanism of nicotine action. D. N. Stoyanovskii. *Formakol. i. Tekhnol.* 18, No. 1, 23-6 (1955). — Frogs (*Rana temporaria*, 35-40 g.) were injected with nicotine (I). The most typical nicotinic contracture (II) arises by administration of 0.5 ml. of 0.5% soln. of I. Ligation of iliac artery, sympathectomy, and extirpation of brains did not prevent II. By ligation of lumbosacral plexus or destruction of spinal cord (III) II disappears. Hence, II arises as result of action of I on III. A dose of 3.5 γ of I/frog shortens the time of acidic reflex; 50 γ , 0.1 mg., 0.5 mg., and 1 mg. prolong it. Thus, I, in doses causing II, depresses the reflexes of III. A. Semenov

HD:

Chem. Pharmacology,

~~5-11-55~~

Walden, Ind. Acad. no

Kew

STOYANOVSKIY, D.N., gvardii kapitan med.sluzhby

First aid, shelter, and evacuation of wounded during the defence
of Stalingrad. Voen.-med.shur. no.9186-87 S '58. (MIRA 12:12)
(STALINGRAD--WORLD WAR, 1939-1945--MEDICAL AND SANITARY AFFAIRS)

STOYANOVSKIY, I.M.

Longitudinal transfer of iodine in various solvents during
the flow of the liquid through glass batch. Zhur.prikl.khim.
34 no.9:1958-1965 S '61. (MIRA 14:9)

1. Krasnodarskiy gosudarstvennyy pedagogicheskiy institut imeni
15-letiya Vsesoyuznyy Leninskiy kommunisticheskiy soyuz molodezhi.
(Pipe--Hydrodynamics) (Iodine)

STOYANOVSKIY, O.M.

Sectional pig-iron tapping tools. Biul. TSNIIICEM no.22:49 '57.
(MIRA 11:5)

1. Makayevskiy metallurgicheskiy zavod.
(Metallurgical plants--Equipment and supplies)

11. 11. 1951, 1. 1. (Chief Veterinary Officer, Department of Animal Husbandry, Iowa College)
Investigation of an outbreak of glanders and edematous disease in horses.

See: Veterinary Record; 14 (1951) 1; October/November 1956; 1951.
14. 11.

PURCHER

STOIANOVSKIĬ, P. M., Sr. Vet. Insp.

Tomsk Oblast Department of Agr.

"On the use of Prof. D. I. Gol'dberg's embryonal ointment in
veterinary practice."

SO: Veterinariia 24(8), 1947, p. 30.

STOIAN, SKIL. I.M., Vet.; KONSTANTIS, N.I., Vet.⁵

Tomsk City Hospital

"Carbolized solution of potassium iodide in epizootic lymphangitis."

SC: Vet. 24 (4) 1947, p. 41

PUNCHED

BERKOVICH, Ye.M.; STOYANOVSKIY, S.V.

Effect of white and monochromatic light on oxygen requirement and respiration in horses. *Fiziol.zhur.* 42 no.3:267-292 Mr '56.

(MLBA 9:7)

1. Kafedra normal'noy fiziologii L'vovskogo veterinarno-zootekhnicheskogo instituta

(RESPIRATION, physiology,

eff. of white & monochromatic light in horses (Rus))

(METABOLISM,

oxygen consumption, eff. of white & monochromatic lights in horses (Rus))

(LIGHT, effects,

white & monochromatic, on oxygen consumption & resp. in horses (Rus))

1955. "Kl'm", V. V. Gen. Biol. Sci. -- (Msk) "Power-engineering processes, and
the effect of the stimulation of udder receptors on them." L'vov, 1957.
1957. (Min. of Agr. U. S. L'vov Zool. Inst). (AL, 12-58, 95)

ABRAJON, B.A.; VOLON: YNSKIY, A.M.; MUGZUNOV, P.A.H.; STOLANOVSKIY, Ye.A.

Organization of tuberculosis control in the virgin territories of
Uzbekistan (barren stepes). Probl. tub. 38 no. 5:8-10 '60.

(MIRA 14:1)

(UZBEKISTAN—TUBERCULOSIS—PREVENTION)

ACC NR: AP5022248

SOURCE CODE: UR/0363/65/001/007/1027/1038

AUTHOR: Yeliseyev, A. A.; Yarembash, Ye. I.; Kuznetsov, V. G.; Antonova, L. I.;
Stoyantsova, Z. P.

ORG: Institute of General and Inorganic Chemistry im. N. S. Kurnakov, Academy of
Sciences SSSR (Institut obshchey i neorganicheskoy khimii Akademii nauk SSSR)

TITLE: X ray phase analysis of lanthanum tellurides ²⁷

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 7, 1965,
1027-1038

TOPIC TAGS: rare earth element, lanthanum compound, telluride, phase diagram,
crystal chemistry, crystal lattice parameter

ABSTRACT: Crystallochemical properties of lanthanum tellurides have been studied
by x-ray phase analysis and differential thermal analysis of the polycrystalline
samples which were synthesized by a technique previously described by the authors
[Zh. neorgan. khimii, 9, 876, (1964)]. The complete phase diagram of the La-Te
System was established for the first time on the basis of the new data. Homo-
geneity limits of the six identified phases were determined. One of the six phases,
La₂Te₅, was detected for the first time. The phase previously identified as La₄Te₇
was found to be LaTe_{1.7+X}. Crystallographic characteristics of all phases were
given. The existence of the MTe_{1.7+X} and M₂Te₅ phases, where M is a rare earth
element from Ce to Sm, was presumed on the grounds of crystallochemical analogy

Card 1/2

UDC: 546.854.241:948.19

ACC NR: AP5022218

between the rare-earth tellurides of other types. Orig. art. has: 8 tables and 3 figures.

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 006 / OTN REF: 011

Card 2/2

RASULEV, M.; STOYANOV, D.D., dotsent, otv.red.

[Structure and dynamics of marketing costs in the retail trade
of Uzbekistan cooperative societies] O strukture i dinamike iz-
dershek obrashchenia v roznichnoi trgovle potrebitel'skoi
kooperatsii Uzbekistana. Tashkent, Izd-vo SAOU, 1958. 27 p.
(MIRA 13:11)

(Uzbekistan--Retail trade)

BYCHENKOV, Yuriy Dmitriyevich, mladshiy nauchnyy sotrudnik; SEREGIN, I.N..
Prinimali uchastiye: KOLOMENSKIY, A.P., inzh.; STOYAROV, M.P.,
inzh.; VILIN, M.O., inzh.; VALYUS, V.M., inzh.; BOCHMAN, O.P.,
tekhnik. YKRIN, B.O., red.; SERGEYEV, A.F., red.isd-va; DONSKAYA,
O.D., tekhn.red.

[Investigating the performance of stretching equipment and cone-
type anchorages] Issledovanie raboty natiashnogo oborudovaniya
i komusnykh ankerov. Moskva, Nauchno-tekhn.isd-vo M-va avtomo-
bil'nogo transp. i shosseinykh dorog RSFSR, 1959. 27 p.
(MIRA 13:4)

1. Nachal'nik laboratorii zhelezobetonnykh konstruktsey Gosudarstven-
nogo Vsesoyuznogo dorozhnogo nauchno-issledovatel'skogo instituta
(SOTUZDORNI) (for Seregin).
(Prestressed concrete)

STOYAROV, V. F.

Parasites - Fish

Parasitic fauna of fish of the Rybinsk Reservoir. Trudy Len ob-va est. 71, No. 4, 1952.

SO: Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

STOYCHANOVA, Galina Ivanovna [Stoichanova, H.I.]; KLINCHENKO, V., red.;
SICHEROV, V., tekhn.red.

[New wage system in the food industry; reference book] Novi umovy
oplaty tratsi v promyslovosti prodovol'chych tovariv; dovidkovyi
posibnyk. Kyiv, Derzh.vyd-vo tekhn.lit-ry URSR, 1960. 133 p.
(MIRA 13:12)

(Food industry)

(Wage payment systems)

BERLESKU, E. [Berlescu, E.]; LUNGU, A.; KRISTOVYANU, A. [Christovescu, A.];
SHULLER, A. [Suller, A.]; STOICHESKU, K. [Stolcescu, K.]; MIKHESKU,
R. (Rumyniya)

Effect of meteorological factors on the function of the adrenal cortex
during balneotherapy. Vop. kur., fizioter. i lech. fiz. kul't. 29 no.4:
316-322 J1-Ag '64. (MIRA 18:9)

1. Institut endokrinologii imeni Parkhona (dir. - akademik Sht. I.
Milku [Milcu, S.] i Institut bal'neologii i fizioterapii (dir. -
prof. T.Dinkulesku [Dinculescu, T.]), Bukharest.

Bulgaria/Military

B-556

STOYCHEV, Andrey, Polkovnik/Med Serv; and Kapitan Yovcho Topalov are the authors of an article entitled "Concerning the Significance of Angiography in Determining the Limits of Cavernous Hemangioma." (Voenno Meditsinsko Delo, Sofia, May 61, pp 78-79)

24
(1)

Journal, Marine Technology 1960, Vol. 10, No 3, October 1963, pp 41-45.

Four illustrations, 13 Soviet-bloc references.

~~L 7662-16~~

ACC NR: AP6000936

SOURCE CODE: BU/0017/65/020/002/0019/0025

AUTHOR: Kopchev, I. (Assistant professor, Colonel); Stoychev, A. (Assistant professor); Kunev, K. (Colonel)

ORG: none

TITLE: Amputation of the extremities in traumatic injuries of arteries

SOURCE: Voenno-meditsinsko delo, no. 2, 1965, 19-25

TOPIC TAGS: injury, cardiovascular system, surgery, therapeutics

ABSTRACT: The authors propose new methods of amputating ischemic gangrenes in traumatic injuries of the large arterial vessels of the extremities. With the proposed method they have been able to save the knee joints of 14 patients and the articulation of the hip in one, the amputation being made below those joints of 15 patients out of 18 and above the knee joints of three. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 004 / OTH REF: 004
SOV REF: 004

Card

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1/1

0791 2136

PEYCHEV, P. (Plovdiv, Bolgariya); STOYCHEV, I. (Plovdiv, Bolgariya);
TOREVA, D. (Plovdiv, Bolgariya); SHAULOV, I. (Plovdiv,
Bolgariya); YORISH, N.P. (Moskva)

Milk for queen bees. Priroda 53 no.5:115-116 '64.
(MIRA 17:5)

~~DR. HENRY, M. L.~~
~~DR. HENRY (M. L.); Given name~~

Country: Bulgaria

Academic Degrees: not indicated

Affiliation: not indicated

Source: Sofia, Khizriana, No 1, Jan/Feb 61, pp 27-30

Item: "A Microbiological Insight Into the Sanitary Condition
of the Ruse Meat Factory."

KHRISTOVA, A.S., podpolkovnik med.sluzhby., STOICHEV, N.N.

Portable sanitation and epidemiological kit. Voen.med.shur.
no.8:80-83 Ag '56 (MIRA 12:1)
(BACTERIOLOGY, MEDICAL--EQUIPMENT AND SUPPLIES)

STOICHEV, G.

Glorious 40th anniversary. Zashch. rast. ot vred. i bol. 10 no.2:
1-3 '65. (MIRA 18:4)

1. Glavnyy agronom "pravleniya zashchity rasteniy Moldavskoy SSR.

STOYCHEV, O.A. (Kishinev); ANTYKOV, S.A., nauchnyy sotrudnik; MAMLINA,
L.S., nauchnyy sotrudnik

The weevil *Tanymecus dilaticollis* Gyll. Zashch. rast. ot
vred. 1 bol. 8 no.3:16-19 Mr '63. (MIRA 17:1)

1. Odesskaya oblastnaya sel'skokhozyaystvennaya opyt'naya
stantsiya (for Antykov, Mamlina).

USSR / Weeds and Weed Control

H

Abs Jour: Ref Zhur-Biol., 1953, No 17, 77953

Author : Stoychev, O. A.

Inst : Not given

Title : Problems of Chemical Weed Control on Plantings
of Grain Crops.

Orig Pub: Biol. s'il's'kogospod. Inform., 1957, No 1, 27-30

Abstract: In the Chernigovskaya oblast, UkSSR, the herbicide 2,4-D (I) was used on plantings of grain crops in doses of 0.8-1.5 kg/ha of preparation. Chemical weeding by I, the harvest increase was 3.5 c/ha. I was used on corn in the phase of the 4-6 leaflets; weed destruction was 95%.

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9

STOYCHENY, O.A.

Polychloropinene against beet weevils. Zashch. rast. ot vred. i bol.
3 no.3:58 My-Je '58. (MIRA 11:6)

1. Nachal'nik otдела zashchity rasteniy Chernigovskogo oblastnogo
upravleniya sel'skogo khozyaystva.
(Polychloropinene) (Weevils)

STOYCHEV, O.A.; NIKOLAYEV, Yu. (Chernigovskaya oblast')

Advantages are obvious. Zashch. rast. ot vred. i bol. 3
no.4:6-7 J1-Ag '58. (MIRA 11:9)
(Plants, Protection of)(Spraying and dusting equipment)

STOYCHEV, O.A., agronom po zashchite rasteniy

Chemical weed control on flax fields. Zashch. rast. ot vred.
1 bol. 5 no.1:26 Ja '60. (MIRA 14:6)
(Flax) (Weed control)

STOYCHEV, O. A.

Important measure for increasing crop yields in the Ukraine.
Zashch. rast. ot vred. i bol. 5 no.4:10-12 Ap '60. (MIRA 13:9)

1. Glavnyy agronom po zashchite rasteniy obisel'khozupravleniya
Chernigovskoy oblsti.

(Ukraine--Plant protection)

STOICHEV, O.A., aspirant

The success of plant protection is decided on the farm. Zashch.
rast. ot vred. i bol. 6 no.3:4-7 Mr '61. (MIRA 15:6)

1. Glavnyy agronom po zashchity rasteniy oblastnogo upravleniya
sel'skogo khozyaystva, g. Chernigov, i Ukrainskiy institut zashchity
rasteniy.

(Ukraine—Plants, Protection of)

STOYCHEV, O.A.; BALL, A.N.

Methods for controlling the Colorado beetle need revision.
Zashch. rast. ot vred. i bol. 7 no. 12:15 D '62.

(MIRA 16:7)

1. Glavnyy agronom Upravleniya zashchity rasteniy Ministerstva
proizvodstva i zagotovok sel'skokhozyaystvennykh produktov
Moldavskoy SSR (for Stoychev). 2. Zaveduyushchiy Moldavskim
respublikanskim sektorom sluzhby ucheta i prognozov (for Ball).
(Moldavia—Potato beetle—Extermination)

STOYCHEV, O.A.

Qualified specialists for collective and state farms. Zashch.
rast. ot vred. i bol. 8 no.1:17-18 Ja '63. (MIRA 16:5)

1. Glavnyy agronom upravleniya zashchity rasteniy Ministerstva
proizvodstva i zagotovok sel'skokhozyaystvennykh produktov
Moldavskoy SSR.

(Moldavia—Plants, Protection of)

СИДНИЙ, О.А.

Aerosols in the control of the weevil *Taeniacus dilaticollis*.
Zashch. rast. ot vred. i bol. 9 no.7:1-21 '84.

(MIRA 18:2)

1. Glavnyy agronom Upravleniya zashchity rasteniy Ministerstva
proizvodstva i zagotovok Moldavskoy SSR.

Stoyanov, P.
BULGARIA / Chemical Technology. Chemical Products and H
Their Application. Food Industry.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 33139.

Author : Stoyanov, P.

Inst : Not given.

Title : The Residual Microflora in Sterilized Vegetable Preserves.

Orig Pub: Khranit. prom-st, 1958, 7, No 2, 26-28.

Abstract: There were determined the vegetative and spore-forming, aerobic and anaerobic microorganisms in 836 cans of vegetable preserves, after standing for 14-15 days (at 37°) (stuffed pepper, up to 5 months) in a thermostat. Two hundred and fifty-four cans (30.4%) proved to be unsterile, but without swelling and suitable for use. Twenty-nine strains of bacteria were separated, from

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L 8513-65 ESD(c)/RAEM(t)

ACCESSION NR: AP4044695

S/0120/64/000/004/0186/0188

AUTHOR: Dzhakov, E.; Stavinskiy, V.; Stamenov, K.; Stoychev, T. B

TITLE: Shaping pulses of FEU-33 and FEU-36 multiplier phototubes by an inductance

SOURCE: Pribery* i tekhnika eksperimenta, no. 4, 1964, 186-188

TOPIC TAGS: coincidence circuit, pulse shaping, multiplier phototube / FEU-33 multiplier phototube, FEU-36 multiplier phototube

ABSTRACT: Suggested by De Benedetti, et al. (Rev. Scient. Instrum., 1952, 23, 38), pulse shaping by means of an inductance was used in a high-speed coincidence circuit. A NaI scintillator irradiated by Co ⁶⁰ was used as a source. The inductance-shaped multiplier-phototube pulses were divided into two channels and applied to a fast double-coincidence circuit, via one channel directly and with a delay via another channel. The width of the shaped pulses was determined

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L 8513-65

ACCESSION NR: AP4044695

indirectly by means of the half-width of the delayed self-coincidence curve. With an optimum inductance value of 0.1–0.2 microh, the pulse width was 1.5–2 times smaller than in the case when the pulses (in the same outfit) were shaped by a cable. Orig. art. has: 3 figures.

ASSOCIATION: Sofiyskiy universitet (Sofia University), Bulgaria

SUBMITTED: 28Dec62

ENCL: 00

SUB CODE: NP, EC

NO REF SOV: 004

OTHER: 002

Card 2/2

1. The first part of the document is a list of the names of the individuals who were involved in the project. The names are listed in alphabetical order. The names are: [illegible]

Source: [redacted]
[redacted]

Country: Bulgaria

Article Dates: not indicated

Attribution: not indicated

Source: Sofia, Matematika i Fizika, No 2, Mar/Apr 61, pp 12-21

Title: "Transistors and Their Application."

BULGARIA

STOYCHEV, Tr., STANEVA-STOYCHEVA, D., and ZLATEV, M.; Section of Pharmacology (Head Prof. P. Nikolov), Scientific Research Institute of Physiology, Bulgarian Academy of Science; Chair of Pharmacology (Head Prof. V. Petkov), ISUL; Chair of Pathological Anatomy (Head Prof. Iv. Goranov), ISUL

"Prophylactic Action of Sodium Ethylxanthogenate in Experimental Atherosclerosis of Rabbits"

Sofia, Eksperimentalna Meditsina i Morfologiya, Vol 5, No 3, 1966, pp 171-178

Abstract: Changes in the content of thiol groups in the blood serum and biochemical indices of lipid metabolism were studied in rabbits in which experimental cholesterol atherosclerosis was induced by N. N. Anichkov's method. The content of thiol groups in the blood serum and liver of rabbits with atherosclerosis was reduced. There was an inverse relation between the content of thiol groups in the blood serum and the level of cholesterol, total lipids, and β -lipoproteins in it. Subcutaneous administration of sodium ethylxanthogenate in a daily dose of 30 mg/kg had a prophylactic, inhibiting effect on the development of atherosclerosis in that it maintained a normal level of thiol groups in the blood serum and liver and reduced morphological changes associated with atherosclerosis. It did not affect significantly the serum indices of lipid metabolism, however. Table, graphs, figures, 7 references (2 Bulgarian, 1 USSR, 4 Western). Russian and English summaries. Manuscript received Jul 65.
1/1

307-115-50-3-27/41
T
AUTHORS: Dzhakov, E., Stoychev, T., and Stamenov, E. (Bulgaria)
T
TITLES: A Ballistic Method of Determining the Hysteresis loop with
the Use of Short Current Pulses (Ballisticheskiy metod
opredeleniya gisteretizatsionnoy krivoy posredstvom kratkovre-
mennyykh impul'sov toka.)
PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 3, pp 77 - 79 (USSR)
ABSTRACT: The authors have developed a new method of measuring the
hysteresis loop of hard magnetic materials. The method con-
sists in using short electric pulses limited by an electronic
relay inserted into the circuit of a ballistic galvanometer
and switched into the galvanometer only for the duration of
the increase or decrease of the flux density. The design
principle of the suggested measuring device for the purpose
is illustrated by diagram (Fig. 1). Magnetization by elec-
tric pulses permits an increase by 100 - 500 times the cur-
rent density in the magnetizing winding on a metal specimen,
which considerably simplifies the conditions of magnetizing
and measuring; the specimen is not heated, as occurs fre-
quently in common ballistic measurements of the hysteresis

Card 1/2

A Ballistic Method of Determining the Hysteresis Loop with the Use of
Short Current Pulses

SOV-115-58-3-27/41

loop. The loops determined by the new method for steel of 24 amp/cm and alnico alloy of 512 amp/cm, coincided with the loops obtained by other methods. It is said that this method can also be used for measuring the difference of the magnetic potential and the intensity of magnetic field with a magnetic potentiometer or with a fluxmeter. Investigations are being conducted to replace the electronic relay by germanium or vacuum diodes, or by more complex rectifying electronic circuits making the electric current flow through the galvanometer in one direction only without having to cut out the galvanometer for the reverse current. There is 1 diagram, 3 graphs, and 1 Soviet reference.

1. Magnetic materials--Hysteresis
2. Hysteresis--Recording devices
3. Recording devices--Design

Card 2/2